

| Ref # | Hits   | Search Query  | DBs                          | Default Operator | Plurals | Time Stamp       |
|-------|--------|---|------------------------------|------------------|---------|------------------|
| S1    | 6648   | (several multi\$5 plurality) near8 (reference near4 voltage)          | USPAT                        | OR               | ON      | 2005/04/24 15:15 |
| S2    | 253    | S1 and "345"/\$.ccls.   | USPAT                        | OR               | ON      | 2005/04/24 15:15 |
| S3    | 119    | S2 and voltage near3 divid\$4   | USPAT                        | OR               | ON      | 2005/04/24 15:24 |
| S4    | 139073 | S3 and voltage choos\$4   | USPAT                        | OR               | ON      | 2005/04/24 15:24 |
| S5    | 2      | S3 and voltage near2 choos\$4   | USPAT                        | OR               | ON      | 2005/04/24 15:24 |
| S6    | 395    | external adj reference adj voltage                                    | USPAT                        | OR               | ON      | 2005/04/25 13:21 |
| S7    | 7      | (several plurality multi\$5) near3 S6                                 | USPAT                        | OR               | ON      | 2005/04/25 14:17 |
| S8    | 34743  | (signal data) near3 line near3 circuit                                | USPAT                        | OR               | ON      | 2005/04/25 14:18 |
| S9    | 68992  | voltage near5 (choos\$4 select\$4)                                    | USPAT                        | OR               | ON      | 2005/04/25 14:18 |
| S10   | 5781   | S8 and S9   | USPAT                        | OR               | ON      | 2005/04/25 14:18 |
| S11   | 730    | S10 and "345"/\$.ccls.  | USPAT                        | OR               | ON      | 2005/04/25 14:18 |
| S12   | 335    | S11 and (external reference) near3 voltage                            | USPAT                        | OR               | ON      | 2005/04/25 15:36 |
| S13   | 110    | S11 and (external reference) near3 voltage near6 (choos\$4 select\$4) | USPAT                        | OR               | ON      | 2005/04/25 15:35 |
| S14   | 618    | 345/211.ccls.   | USPAT                        | OR               | ON      | 2005/04/25 15:35 |
| S15   | 37     | S12 and S14   | USPAT                        | OR               | ON      | 2005/04/25 15:36 |
| S16   | 3      | ("5929847"   "6157360"   "6243066").PN.                               | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2005/04/25 15:43 |
| S17   | 10458  | voltage near3 (select\$4 choos\$4) near4 circuit                      | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2005/04/25 15:44 |
| S18   | 7180   | voltage near3 (select\$4 choos\$4) near4 circuit                      | USPAT;<br>IBM_TDB            | OR               | ON      | 2005/04/25 15:44 |
| S19   | 1351   | S18 same (reference external) near2 voltage                           | USPAT;<br>IBM_TDB            | OR               | ON      | 2005/04/25 15:44 |
| S20   | 532    | S19 and buffer  | USPAT;<br>IBM_TDB            | OR               | ON      | 2005/04/25 15:59 |
| S21   | 0      | votlage near3 circuit near7 (bit tones)                               | USPAT;<br>IBM_TDB            | OR               | ON      | 2005/04/25 16:00 |
| S22   | 2825   | voltage near3 circuit near7 (bit tones)                               | USPAT;<br>IBM_TDB            | OR               | ON      | 2005/04/25 16:00 |
| S23   | 119    | S22 and "345"/\$.ccls.  | USPAT;<br>IBM_TDB            | OR               | ON      | 2005/04/25 16:00 |
| S24   | 7562   | voltage near3 circuit near7 (bit mode tones)                          | USPAT;<br>IBM_TDB            | OR               | ON      | 2005/04/25 16:02 |
| S25   | 191    | S24 and "345"/\$.ccls.  | USPAT;<br>IBM_TDB            | OR               | ON      | 2005/04/25 16:02 |

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| S26 | 74    | S25 and voltage near2 divid\$4   | USPAT;<br>IBM_TDB            | OR | ON | 2005/04/25 16:01 |
| S27 | 63    | S26 and voltage near3 (select\$5<br>choos\$5)  | USPAT;<br>IBM_TDB            | OR | ON | 2005/04/25 16:27 |
| S28 | 173   | voltage near3 circuit near7 more<br>near5 (bit mode tones)   | USPAT;<br>IBM_TDB            | OR | ON | 2005/04/25 16:02 |
| S29 | 1     | S28 and "345"/\$.ccls.   | USPAT;<br>IBM_TDB            | OR | ON | 2005/04/25 16:03 |
| S30 | 82698 | number near2 (tones bits)  | USPAT;<br>IBM_TDB            | OR | ON | 2005/04/25 16:27 |
| S31 | 321   | S30 same voltage near3 (select\$5<br>choos\$5)   | USPAT;<br>IBM_TDB            | OR | ON | 2005/04/25 16:27 |
| S32 | 37942 | S31 and "345"/\$.ccls.   | USPAT;<br>IBM_TDB            | OR | ON | 2005/04/25 16:28 |
| S33 | 55    | S31 and "345"/\$.ccls.   | USPAT;<br>IBM_TDB            | OR | ON | 2005/04/25 16:28 |
| S34 | 2     | ("6384806"   "6549186").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/25 16:31 |
| S35 | 20384 | bit near3 mode   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/25 16:31 |
| S36 | 1691  | S35 and S9   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/25 16:31 |
| S37 | 64    | S36 and "345"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/25 16:31 |
| S38 | 3     | ("5376926"   "5489910"  <br>"6373419").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/25 17:46 |
| S39 | 2912  | (different various) near3 (tone bit<br>gradation) and voltage near3<br>(choos\$5 select\$5)            | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/25 17:50 |
| S40 | 283   | S39 and "345"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/25 17:48 |
| S41 | 179   | S39 and "345"/\$.ccls.   | USPAT                        | OR | ON | 2005/04/25 17:50 |
| S42 | 128   | S41 and divid\$5   | USPAT                        | OR | ON | 2005/04/25 17:48 |
| S43 | 59    | S41 and voltage near5 divid\$5   | USPAT                        | OR | ON | 2005/04/25 17:48 |
| S44 | 44    | (different various) near3 (tone bit<br>gradation) near3 mode and voltage<br>near3 (choos\$5 select\$5) | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/25 17:50 |
| S45 | 1     | S44 and "345"/\$.ccls.   | USPAT                        | OR | ON | 2005/04/25 17:51 |
| S46 | 2214  | (tone bit gradation) near3 mode<br>and voltage near3 (choos\$5<br>select\$5)                           | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/25 17:51 |

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| S47 | 95    | S46 and "345"/\$.ccls.  | USPAT                  | OR | ON | 2005/04/25 17:51 |
| S48 | 157   | (tone bit gradation) near3 mode same voltage near3 (choos\$5 select\$5)                                   | US-PGPUB; USPAT; USOCR | OR | ON | 2005/04/25 17:54 |
| S49 | 6     | S48 and "345"/\$.ccls.  | USPAT                  | OR | ON | 2005/04/25 17:55 |
| S50 | 2     | ("6384806"   "6549186").PN.   | US-PGPUB; USPAT; USOCR | OR | ON | 2005/04/25 17:53 |
| S51 | 137   | (\$2tone \$2bit gradation) near3 mode same voltage near3 (choos\$5 select\$5)                             | US-PGPUB; USPAT; USOCR | OR | ON | 2005/04/25 17:54 |
| S52 | 6     | S51 and "345"/\$.ccls.  | USPAT                  | OR | ON | 2005/04/25 17:55 |
| S53 | 3     | ("5376926"   "5489910"   "6373419").PN.   | US-PGPUB; USPAT; USOCR | OR | ON | 2005/04/25 18:02 |
| S54 | 24    | (\$3bit adj mode) near8 voltage   | USPAT                  | OR | ON | 2005/04/26 17:08 |
| S55 | 1448  | (number near3 (bits tones)) near7 voltage   | USPAT                  | OR | ON | 2005/04/26 17:10 |
| S56 | 117   | S55 and "345"/\$.ccls.  | USPAT                  | OR | ON | 2005/04/26 17:09 |
| S57 | 1548  | (number near3 (bits tones gradation)) near7 voltage   | USPAT                  | OR | ON | 2005/04/26 17:33 |
| S58 | 727   | S57 and decod\$4  | USPAT                  | OR | ON | 2005/04/26 17:11 |
| S59 | 87    | S58 and "345"/\$.ccls.  | USPAT                  | OR | ON | 2005/04/26 17:33 |
| S60 | 91    | (scan\$5 determin\$4) near4 (number near3 (bits tones gradation)) near7 voltage                           | USPAT                  | OR | ON | 2005/04/26 17:37 |
| S61 | 20    | S60 and "345"/\$.ccls.  | USPAT                  | OR | ON | 2005/04/26 17:38 |
| S62 | 123   | (sampl\$4 determin\$4) near4 (number near3 (bits tones gradation)) near7 voltage                          | USPAT                  | OR | ON | 2005/04/26 17:41 |
| S63 | 17    | S62 and "345"/\$.ccls.  | USPAT                  | OR | ON | 2005/04/26 17:41 |
| S64 | 156   | (sampl\$4 determin\$4) near4 (number near3 (bits tones gradation)) near7 (mode)                           | USPAT                  | OR | ON | 2005/04/26 17:42 |
| S65 | 7     | S64 and "345"/\$.ccls.  | USPAT                  | OR | ON | 2005/04/26 17:41 |
| S66 | 10284 | (sampl\$4 determin\$4) near4 (number near3 (bits tones gradation))  | USPAT                  | OR | ON | 2005/04/26 17:43 |
| S67 | 510   | S66 and "345"/\$.ccls.  | USPAT                  | OR | ON | 2005/04/26 17:44 |
| S68 | 245   | S67 and decod\$4  | USPAT                  | OR | ON | 2005/04/26 17:43 |
| S69 | 493   | (sampl\$4 determin\$4) near4 (number near3 (bits tones gradation)) and (choos\$4 select\$5) near3 voltage | USPAT                  | OR | ON | 2005/04/26 17:47 |
| S70 | 510   | S67 and "345"/\$.ccls.  | USPAT                  | OR | ON | 2005/04/26 17:44 |

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| S71 | 80    | S69 and "345"/\$.ccls.  | USPAT | OR | ON | 2005/04/26 17:47 |
| S72 | 139   | (sampl\$4) near4 (number near3 (bits tones gradation)) and (choos\$4 select\$5) near3 voltage | USPAT | OR | ON | 2005/04/26 17:47 |
| S73 | 23    | S72 and "345"/\$.ccls.  | USPAT | OR | ON | 2005/04/26 17:51 |
| S74 | 96    | (sampl\$5 near5 decod\$5) with number near3 (bit tone gradation)                              | USPAT | OR | ON | 2005/04/26 17:51 |
| S75 | 0     | S74 and "345"/\$.ccls.  | USPAT | OR | ON | 2005/04/27 13:56 |
| S76 | 340   | number near3 (bit tone) with (decod\$4 adj circuit)   | USPAT | OR | ON | 2005/04/27 14:01 |
| S77 | 14    | S76 and "345"/\$.ccls.  | USPAT | OR | ON | 2005/04/27 13:57 |
| S78 | 1156  | number near3 (bit tone) and (decod\$4 adj circuit) and voltage near4 (select\$5 choos\$4)     | USPAT | OR | ON | 2005/04/27 14:05 |
| S79 | 77    | S78 and "345"/\$.ccls.  | USPAT | OR | ON | 2005/04/27 14:05 |
| S80 | 2     | S79 and sampl\$5 near3 (bit tone grayscale)   | USPAT | OR | ON | 2005/04/27 14:05 |
| S81 | 42170 | determin\$5 near3 (bit tone grayscale)  | USPAT | OR | ON | 2005/04/27 14:05 |
| S82 | 677   | S81 and (decod\$4 adj circuit) and voltage near4 (select\$5 choos\$4)                         | USPAT | OR | ON | 2005/04/27 14:15 |
| S83 | 18    | S82 and "345"/\$.ccls.  | USPAT | OR | ON | 2005/04/27 14:15 |
| S84 | 61810 | (low\$3 high\$2) near2 (bit tone)   | USPAT | OR | ON | 2005/04/27 14:16 |
| S85 | 1032  | S84 and (decod\$4 adj circuit) and voltage near4 (select\$5 choos\$4)                         | USPAT | OR | ON | 2005/04/27 14:17 |
| S86 | 53    | S85 and "345"/\$.ccls.  | USPAT | OR | ON | 2005/04/27 14:17 |
| S87 | 824   | (low\$3 high\$2) near2 (bit tone) near3 mode  | USPAT | OR | ON | 2005/04/27 14:17 |
| S88 | 25    | S87 and (decod\$4 adj circuit) and voltage near4 (select\$5 choos\$4)                         | USPAT | OR | ON | 2005/04/27 14:17 |
| S89 | 0     | S88 and "345"/\$.ccls.  | USPAT | OR | ON | 2005/04/27 14:17 |
| S90 | 17519 | (bit tone) near3 mode   | USPAT | OR | ON | 2005/04/27 14:17 |
| S91 | 473   | S90 and (decod\$4 adj circuit) and voltage near4 (select\$5 choos\$4)                         | USPAT | OR | ON | 2005/04/27 14:17 |
| S92 | 6     | S91 and "345"/\$.ccls.  | USPAT | OR | ON | 2005/04/27 14:21 |
| S93 | 1     | "10326084"  | JPO   | OR | ON | 2005/04/27 14:21 |